

Lesson 3-4

Using Number Sense to
Solve One-Step Equations

Name: _____

Date: _____

Period: _____



Homework Video Tutor

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Vocabulary

Equation- A math sentence that has an _____.

Open Sentence- An equation that includes one or more _____.

The **solution** to an equation is the value of the _____ that makes the equation _____.

Example 1- True Equations and False Equations

Tell whether each equation is true or false.

a) $6 + 13 = 18$

b) $16 + 8 = 24$

Example 2- Using Mental Math to Solve Equations

Equation	What's Missing?	Question	Solution	Check	What did you do?

Practice 3-4

Using Number Sense to Solve One-Step Equations

Find the missing number that makes the equation true.

1. $7 + \square = 12$

2. $\square \times 5 = 30$

3. $13 - \square = 4$

Tell whether each equation is true or false.

4. $12 + 10 = 10 + 12$

5. $31 + 4 = 41 + 3$

6. $3.5 \times 1 = 1$

7. $(3 \times 5) \times 4 = 3 \times (5 \times 4)$

8. $(7 \times 2) + 6 = 7 \times (2 + 6)$

9. $0 \times a = a$

Solve each equation. Use either mental math or the strategy *Guess, Check, and Revise*.

10. $8b = 72$

11. $n + 14 = 45$

12. $h - 3.6 = 8$

13. $w \div 12 = 3$

14. $53 = z - 19$

15. $86 = 29 + y$

16. The winners of a slam dunk basketball competition receive T-shirts. The coach spends \$50.40 on shirts for the entire team. Each T-shirt costs \$4.20. Solve the equation $(4.20)n = 50.40$ to find the number of team members.